Wisconsin Information System for Education Data Dashboards



Fall 2013

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DPI Data Warehouse and Decision Support Team



Outline

- Agenda 2017 & WISEdash
- WISEdash General Overview
- WISEdash for Districts
 - -Accessed through Secure Home Portal
 - -Screenshots Examples
- WISEdash Public Portal
 - -Demo



Agenda 2017



Agenda 2017

Standards and Instruction

– What and how should kids learn?

Assessments and Data Systems

– How do we know if they learned it?

School and Educator Effectiveness

– How do we ensure that students have highly effective teachers and schools?

School Finance Reform

– How should we pay for schools?





Agenda 2017

"Every child must graduate ready for further education and the workforce. We must align our efforts so all our students are prepared to succeed in college or a career."

- State Superintendent Tony Evers

Assessments and Data Systems

– How do we know if they learned it?



Data and Information Systems



statewide technology is part of Wisconsin's strategy to help every child graduate ready

for college and career. These new digital systems will give the state a higher value for its investment in education by:

- · managing costs.
- enhancing students' education using current technology,
- equalizing opportunities for all schools,
 making it easier to consult education
- making it easier to consult education data, and
- · saving time for teachers and other staff.

The Statewide Student Information System (SSIS) is the core solution that allows schools to do their work using technology. In this system, students are enrolled,

schools to do their work using technology. In this systems students are enrolled, attendance taken, grades recorded, and class schedules built, among other tasks. The Wisconsin Department of Administration is currently working with knowledgeable staff from Wisconsin schools to choose a vendor which will create a SSIS for districts across the state. Implementation should begin in 2013.

The Wisconsin Information System for Education (WISE) is where much of the data about PK-I2 education will reside.
Teachers and Administrators will access this information through the WISEdash website, and use it to help them make decisions that are good for kids. The "dashboards" and reports in WISEdash are being provided to groups of Visconsin school districts in the groups of Visconsin school districts in the province of the province of the control of the province of the control of the province of the

phases beginning in 2012. After pilot-testing, parents and the public will be able to access it as well.

We have selected an open-source Learning Management System (LMS) and will deploy it statewide. This software allows educators across the state to create or share high quality lesson plans with each other in an

easily searchable environment. Having this system will help to prevent duplication of effort and will open the door to e-textbooks and other digital curriculum. In addition, student will be able to use the LMS to connect with teachers elsewhere in Wisconsin for online coursework.

Statewide solutions for technology enhance education, save money and time, and equalize opportunities for all schools.

we are developing an Educator Licensing Ofline (ELO) system to make it easier and faster for teachers to obtain licenses and we are implementing an electronic process to help teachers meet Professional Development Plan (PDP) requirements for renewal. The licensing system will also capture valuable data that will help educators, school districts, and teacher preparation and training providers to best meet the needs of Wisconsin students.

The DPI plans to develop a one-stop Wisconsin portal, employing the latest search technologies, to help educators more quickly identify quality resources and professional development opportunities. Educators will also be able to share techniques and mentor each other in this online space, using communication features similar to a standard social network.

For more information go to: dpi.wi.gov/ssis





Assessments and Data Systems

How do we know if they learned it?

- Change state assessment proficiency levels, to reflect the National Assessment of Educational Progress (NAEP), providing higher expectations for students that reflect career and college readiness;
- Implement an online, adaptive next generation
 assessment system that gauges student progress
 throughout the year, and provides real-time data to
 teachers and parents;
- Measure student college and career readiness from the end of middle school through high school using the EXPLORE/PLAN/ACT tests and WorkKeys; and
- Launch statewide student information and data systems that support districts, streamline operations, and expand research.





The Wisconsin Information System for Education (WISE) is where much of the data about PK-12 education will reside. Teachers and Administrators will access this information through the WISEdash website, and use it to help them make decisions that are good for kids. The "dashboards" and reports in WISEdash are being provided to groups of Wisconsin school districts in phases beginning in 2012. After pilot-testing, parents and the public will be able to access it as well.

PUBLIC Tony Evers, Ph

Agenda 2017



WISEdash General Overview



WISElearn

Educator Resource Portal

Learning Management System

Content Repository

Collaboration Cloud

Student
Information
System / Data
Collection

DATA WAREHOUSE WISEdash

WISEmaps,
SDPR,
MDAT, SAFE

Academic & Career Plans

Assessments

Local, state, national

Educator Licensing Online

Early Childhood

Postsecondary



Why WISEdash?

- Provide data to school and district staff, parents, media, legislators, community groups, researches, and other stakeholders to
 - Better understand education outcomes for Wisconsin students
 - Inform decision that can help ensure every child graduates from high school prepared for both college and career pathways
 - Meet federal, state, and local requirements
- Provide a data analysis and reporting solution that is integrated, scalable statewide, robust, sustainable, and cost-effective



Why WISEdash?

Ultimately, we aim to increase datainformed decision-making at the state, district, school, classroom, and student level



WISEdash, powered by Edvantage

- Spans multiple subject areas throughout Education to enable smart, comprehensive analysis on education data
- Stores and links student and school data from a variety of sources.
- Role based access to data & dashboards
- Public and secured dashboards through the same technology to a wide variety of users with a wide variety of data needs
- Simple ad hoc reporting functionality (choose a district, choose a demographic)
- Advanced reporting capabilities for a limited number of power users at the district and state level to create customizable reports (Future Functionality)
- Documentation, including professional development resources such as premade workbooks to guide understanding and use of dashboards and reports
- Opportunity for collaboration with districts and WI research organizations



Accessed through the Secure Home Portal



- Statewide rollout September 2012
- Intended Users: School and district staff interested in accessing a variety of dashboards and reports populated with their district/school data
- Secure release only: log in required and available only to school and district staff



- Dashboards available include
 - Enrollments, Attendance
 - WSAS, ACCESS for ELL, ACT, AP
 - Student Growth Percentiles
 - Postsecondary Enrollment
 - HS Completion
 - Student Profile including DEWS information
- Student data displayed starting with the 2005-06 school year



- 3 levels of access based on legitimate educational need
- Ability (based on role assigned)
 - to drill from a chart on a dashboard to a student list and ultimately a student profile
 - to view a student profile
 - to search for an individual student
- Uses Secure Home and ASM like the other secure tools.
- Definitions and comments are available directly through the tool.



WISExplore

WISExplore

- Blended curriculum to guide users through using WISEdash and other tools for data analysis.
- Introduction to the Data Inquiry Process
- Fillable Form used to document the data question, data picture, data findings, and hypotheses of practice is also found here.
- Group is working on data inquiry for each data topic in WISEdash.
- Technical Assistance



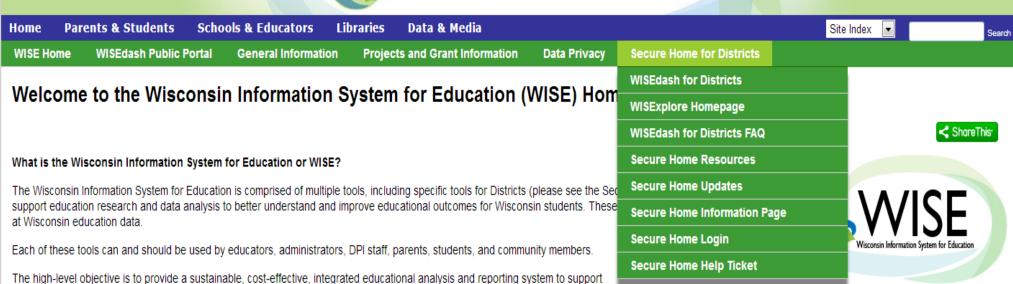
WISEdash for Districts What's Next?

- Adding data, dashboards, and features
 - MAP
 - Primary Disability
 - SGP Student Roster Additions
 - All Students
 - Groups by
 - Migrant Status



WISEdash for Districts on the web





- 1. Teachers and school administrators making informed decisions to improve student achievement and to help ensure every child graduates from high school prepared for both college and career pathways
- 2. Data-informed decision-making at the state, district, school, classroom, and student level
- 3. Accurate and timely data reporting to meet Federal, State, and local requirements
- 4. Parents and community members, including media, legislators, and community groups, learning more about their schools
- Diagnostic and policy-relevant research

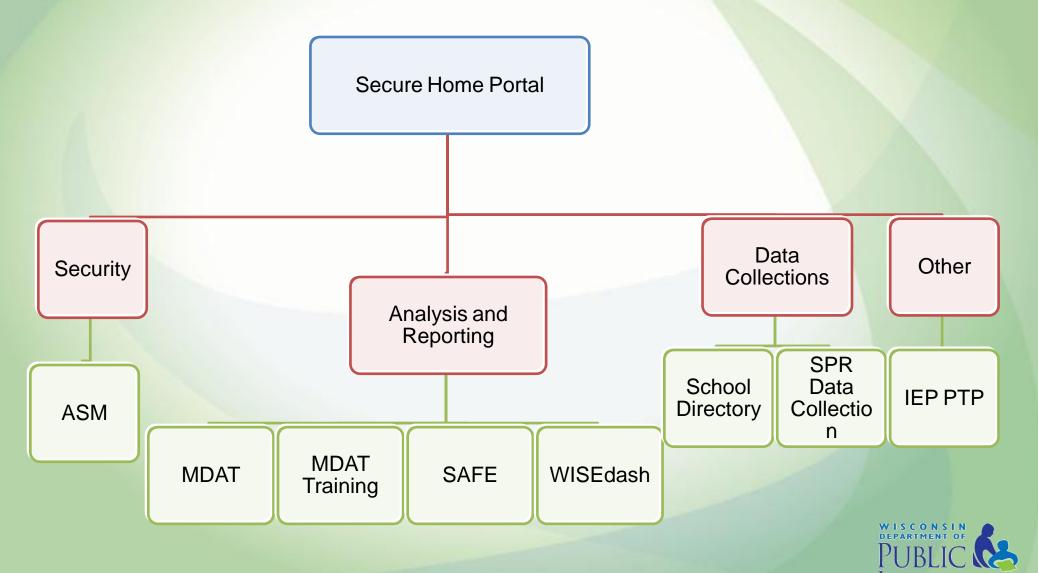
Why are these data tools important?

Education data is a primary tool to see how our students, schools, and policies are working. Over time, the data show the results of changes we make in schools, letting us track progress and make adjustments. As stated in Agenda 2017, the goal for Wisconsin is to help ensure every child graduates from high school prepared for both college and career pathways. These data systems are a key part of Agenda 2017's assessment and data systems emphasis on giving parents and the public more timely, quality data to use for informed decision-making.

More information about the data tools can be found below.



Tools for District and School Users (Secured)



WISEdash Public Portal



WISEdash Public Portal replaces WINSS

Welcome to WINSS!

Wisconsin's Information Network for Successful Schools (WINSS) is a resource for educators, pare interested in educating the hearts and minds of Wisconsin's children. WINSS provides information know and be able to do; how students are performing each year; and how our schools are staffed the seven characteristics of successful schools - and shares resources that are central to success.

DATA analysis
achievement, behavior, demographics, and resources

Wisconsin Information System for Education

SCHOOL IMPROVEMENT
surveys and tools for improvement planning

best PRACTICES
ideas for successful schools

STANDARDS and ASSESS



WISEdash Public Portal

- Statewide rollout October 9th, 2013
- WINSS (red box) will be phased out over time
- Dashboards available include
 - Enrollment, Attendance
 - WSAS, ACT, AP
- Student data from 2005-06 school year
- Historical (pre-2005) WINSS data available
- All datasets will be summarized and redacted
- WISElearn project or others will adopt the other 3 boxes.



WISEdash redaction

- No student-level data on WISEdash
- Redaction is an algorithm applied to WISEdash data sets so that discovery of personally identifiable information is minimized.

Direct disclosure occurs when data could be linked to a specific student that a reasonable person in the community could identify with reasonable certainty. Prevented by using a "cell size" of no less than 5 students.

Indirect disclosure occurs when redacted data could be combined with other aggregated data to deduce personally identifiable information.





WISEdash Public Portal What's Next?

- Adding data, dashboards, and features
 - Primary Disability
 - HS Completion
 - Additional comparison features
 - Minor adjustments



WISEdash Public Portal Supporting Documentation

- Home page
- School District Communication Support
- FAQ
- WISEdash Help
- WISEdash Help Ticket
- About the Data
- Data Downloads
- Glossary



WISEdash Public Portal on the web



Home Pare	ents & Students Schools & Educator	Site Index Site Index Search						
WISE Home	WISEdash Public Portal General Inform	ation Projects and Grant Information Data Privacy Secure Home for Districts						
Walsam	School District Communications Support	an System for Education (MISE) Hamanagal						
Welcome	FAQ	on System for Education (WISE) Homepage!						
	WISEdash Help	≺ ShareThis						
What is the Wi	WISEdash Help Ticket	VISE?						
The Wisconsin I	Data and reports - more	ultiple tools, including specific tools for Districts (please see the Secure Home for Districts menu), to						
support educati at Wisconsin ed	About the Data home	l and improve educational outcomes for Wisconsin students. These tools provide a variety of ways to look						
Each of these to	Outage announcements	trators, DPI staff, parents, students, and community members. —integrated educational analysis and reporting system to support						
The high-level of	WISEdash Glossary							
ŭ	A to Z index of WISEdash topics							
1. Teachers a	WISEdash buttons and icon index	s to improve student achievement and to help ensure every child graduates from high school prepared for both college and career pathways						
2. Data-informed decision-making at the state, district, school, classroom, and student level								

- 3. Accurate and timely data reporting to meet Federal, State, and local requirements
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- 5. Diagnostic and policy-relevant research

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More information about the data tools can be found below.



WISEdash Public Portal

wisedash.dpi.wi.gov



Q&A

Email questions and comments to melissa.straw@dpi.wi.gov



Supporting screenshots



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Welcome WISEdash + Student Search

Welcome to WISEdash!

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Daily Announcements

6 Year High School Completion Rates

The 6-years-or-less high school completion rates have been added to the High School Completion Rates dashboard. The rate includes all students in the 2010 cohort grad year with their completion status as of the end of the 2011-12 school year.

WSAS 2012-13 Results Posted

The Fall 2012 results for WSAS (WKCE and WAA-SwD) have been added to the WISEdash database. Please let us know if you encounter any problems or errors.



WISEdash - the Wisconsin Information System for Education Dashboard - is the next step in the Department of Public Instruction's transformation of the way education data can be used by schools in the state, tapping into the data in the state's data warehouse. Drawing on a wealth of information about student progress, districts, schools and educators will be able to make better decisions to help every child graduate ready for higher education and the workforce.

WISEdash currently contains dashboards on the following topics:

- Enrollment and Attendance
- Assessments (including WSAS, ACT, AP and ACCESS for ELLs)
- Student Growth Percentiles
- · High School Completion
- Postsecondary Enrollments
- Student Profile (only available with a specific security role)
- Student Search (only available with a specific security role)

Plans are currently underway to prioritize the integration of additional data, dashboards and reports in the future. Additional information on WISEdash can be found on the WISEdash Homepage.

View the knowledge base, or submit questions, comments, and suggestions about the Wisconsin Information System for Education (WISE) to the DPI Online Helpdesk.

Please select a dashboard from the WISEdash menu above to begin analysis.

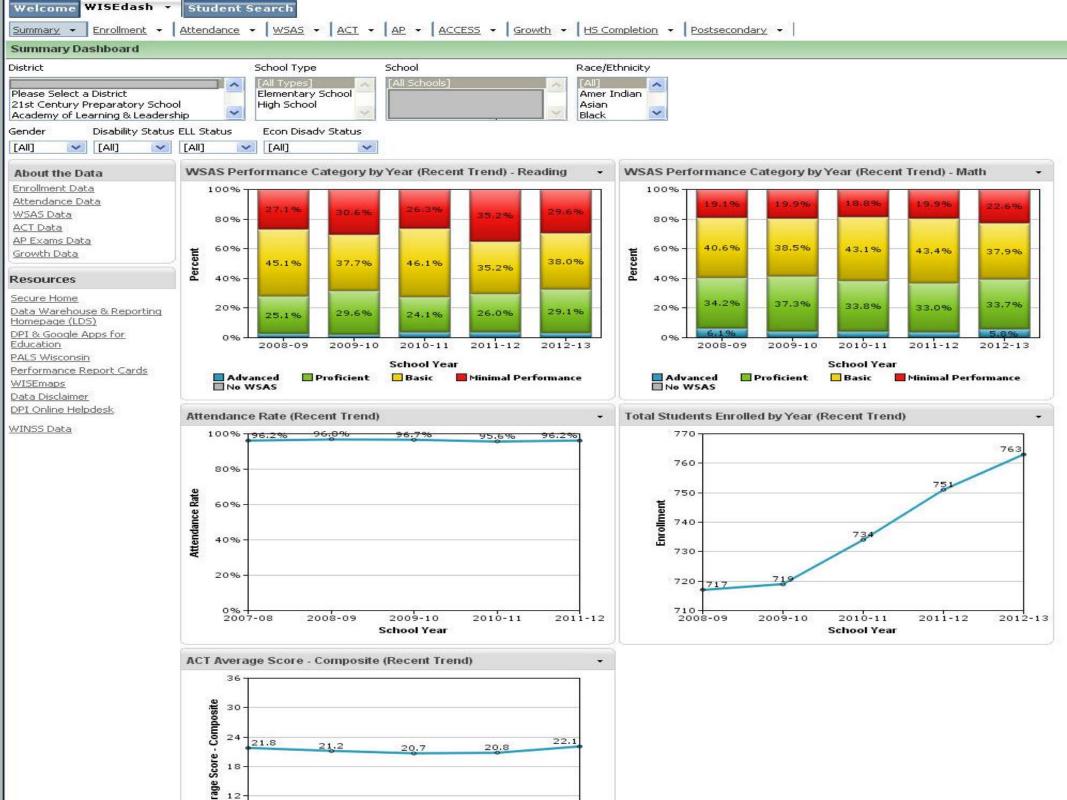
Data Load Schedule

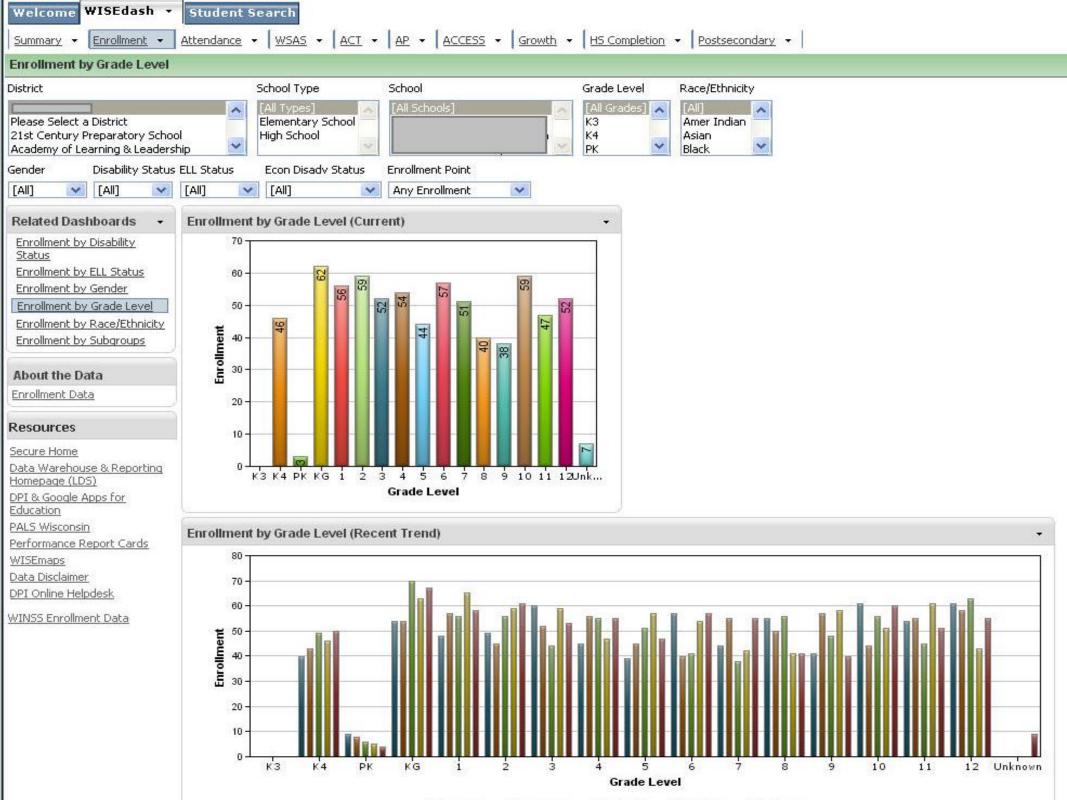
The table provided below gives information on when we expect the data for each subject area to be updated in the data warehouse and available in WISEdash. In addition, it lists the schools years of data currently available for each subject area.

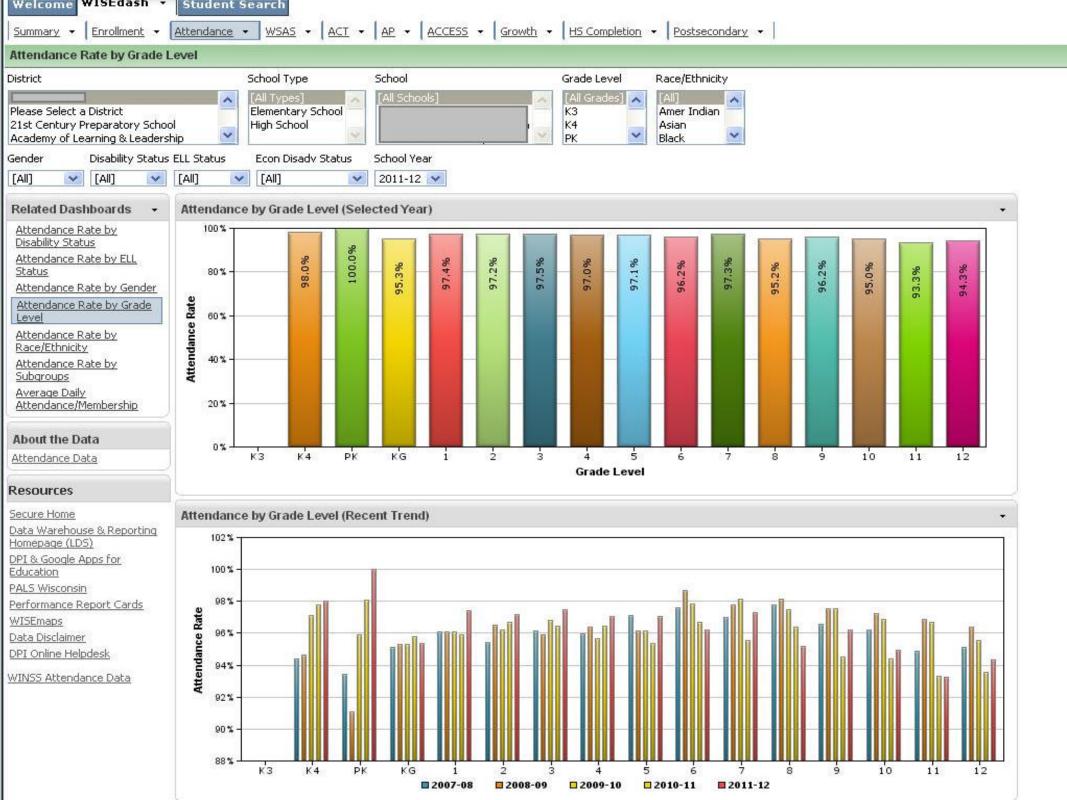
Subject Area	Update Frequency	Data Source	Available Years	Update Schedu	ıle 📤
Schools	Nightly	Enterprise, Additional Sources	2005-06 to 2012-13 (Ongoing July 1	
Students	Nightly	WSLS(Main), Additional Sources	2005-06 to 2012-13 (Ongoing	
Enrollment	Nightly	WSLS (current/interim), ISES YE (historical)	2005-06 to 2012-13 (Ongoing	
Attendance	Annually	ISES YE	2005-06 to 2011-12 1	st Quarter	
WSAS	Annually	СТВ	2005-06 to 2012-13 2	nd Quarter	
ACT	Annually	ACT	2007-08 to 2011-12 3	ord Quarter	
AP	Annually	College Board	2006-07 to 2011-12 4	th Quarter	
ACCESS	Annually	MetriTech	2006-07 to 2011-12 3	ord Quarter	
Growth	Annually	Computed from WSAS	2008-09 to 2011-12 2	nd Quarter	
Postsecondary	Updated Apr 07, 2012	National Student Clearinghouse	2005-06 to 2010-11 (Contract Pending	~
<					>

Data Disclaimer

The Department of Public Instruction (DPI) has made a reasonable effort to ensure that the attached data/records are up-to-date, accurate, complete, and comprehensive at the time of disclosure. These records reflect data as reported to this agency by the educational community we serve for the reporting period indicated. These records are a true and accurate representation of the data on file at the DPI. Authenticated information is accurate only as of the time of validation and verification. The DPI is not responsible for data that is misinterpreted or altered in any way. Derived conclusions and analyses generated from this data are not to be considered attributable to the DPI. Willful intent to alter and intentional tampering with public records is punishable under s. 946.72, Wis. Stats. Offenses against computer data and programs are punishable under s. 943.70 (2), Wis. Stats.



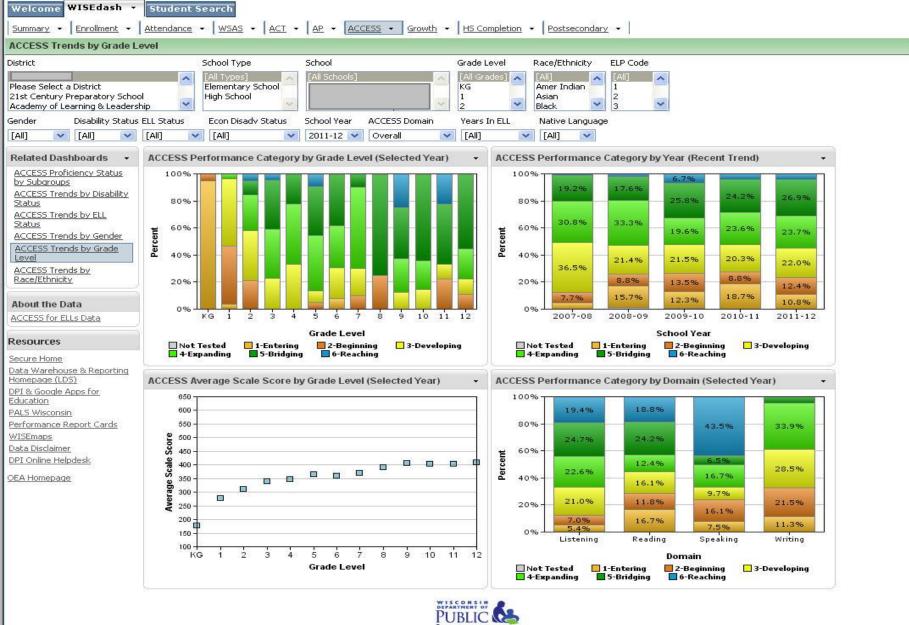






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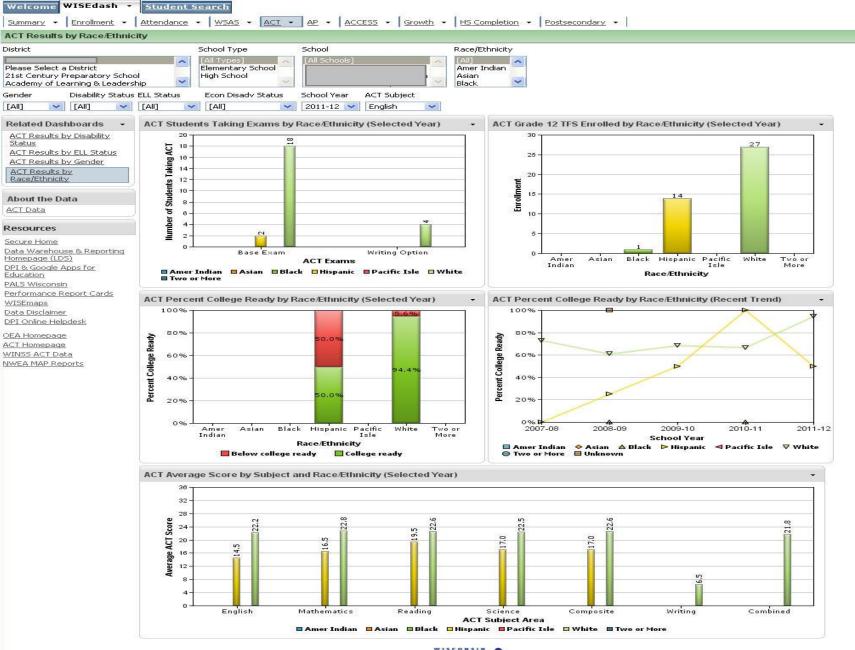






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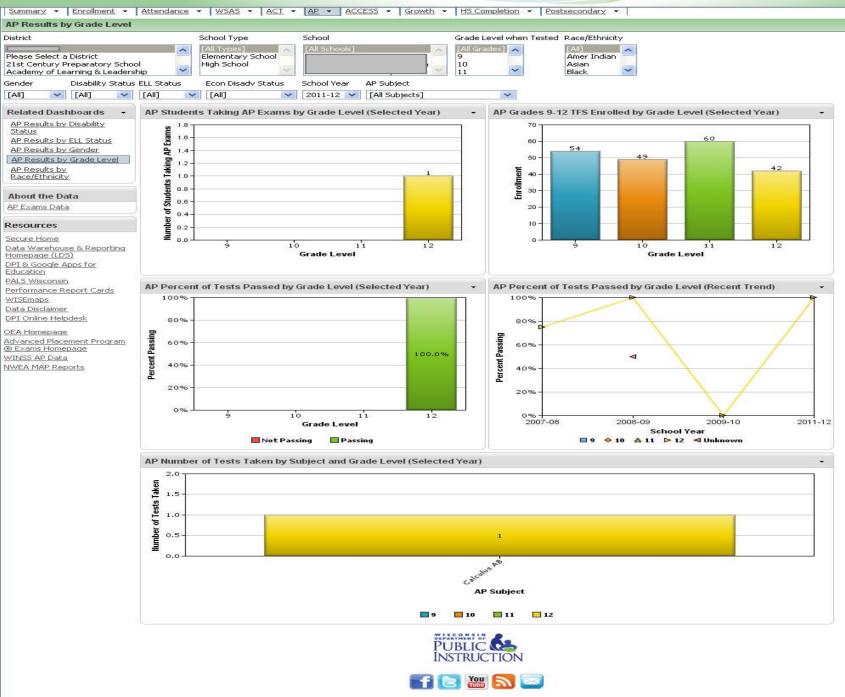








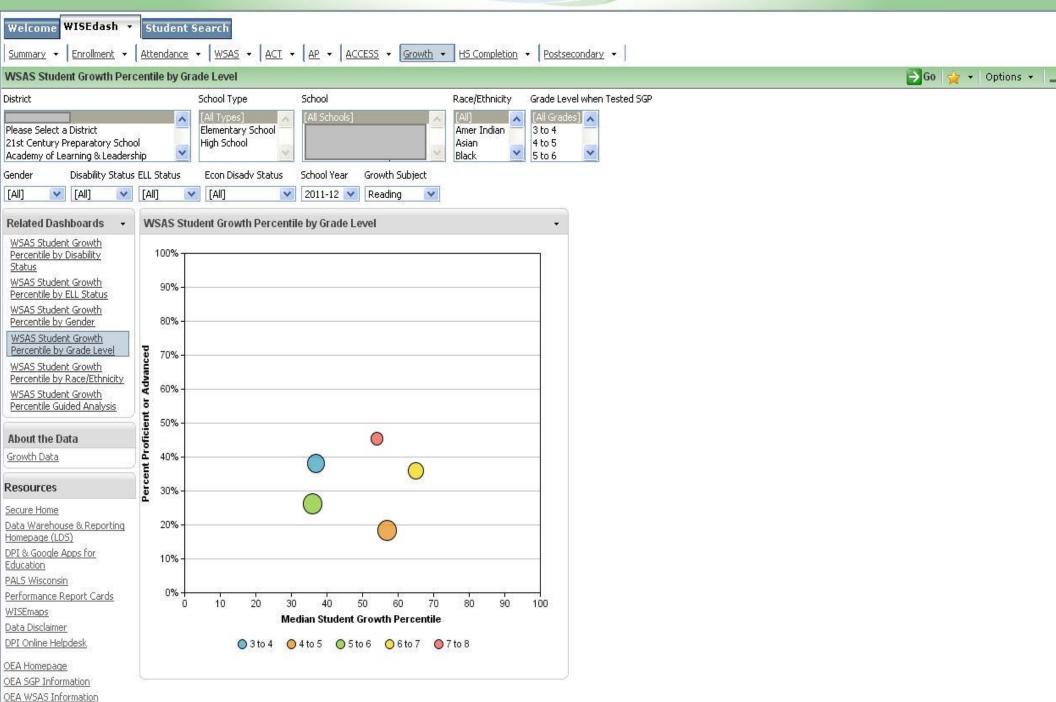
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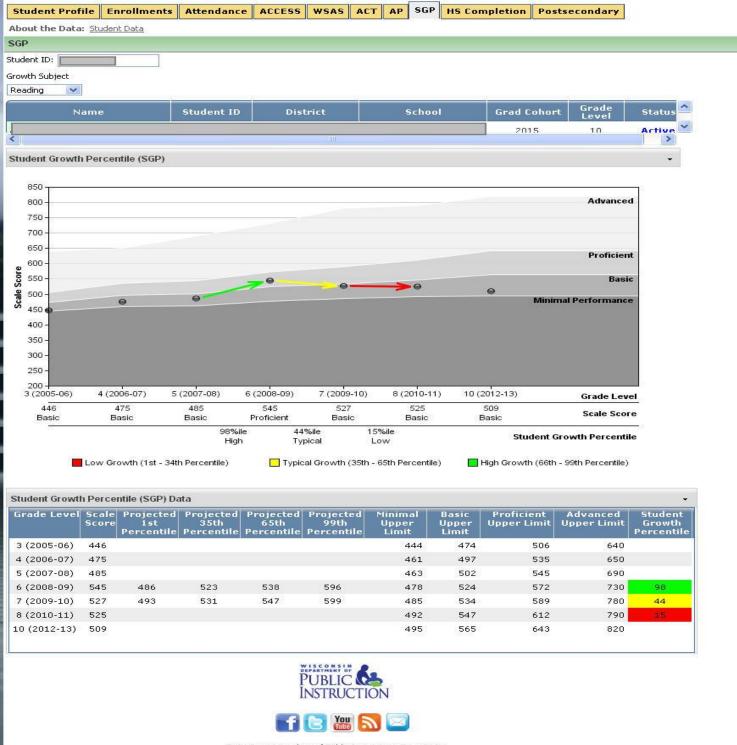
State Superintendent of Public Instruction <u>Tony Evers</u>
Department of Public Instruction, 125 S. Webster Street,
P.O. Box 7841, Madison, WI 53707-7841 (800) 441-4563

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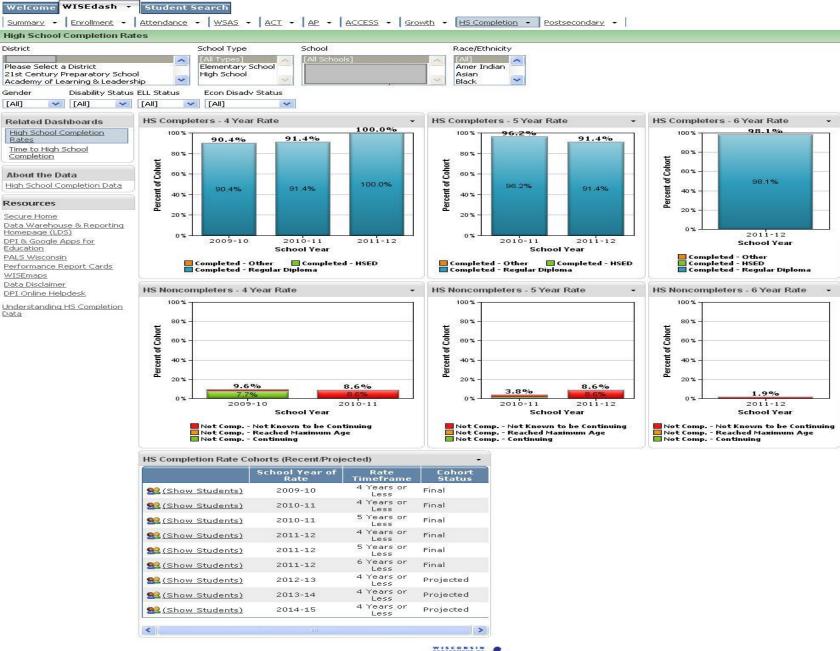
WINSS WSAS Data NWEA MAP Reports



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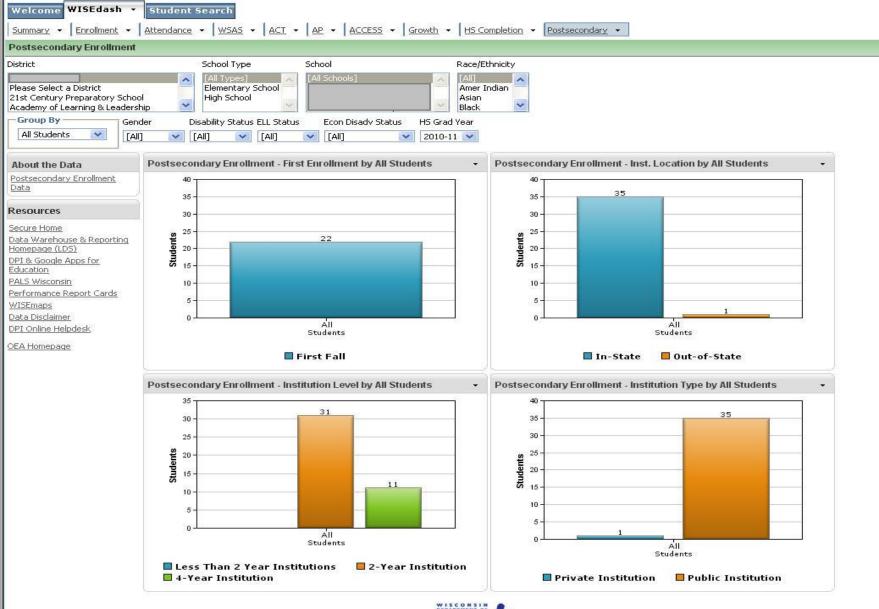






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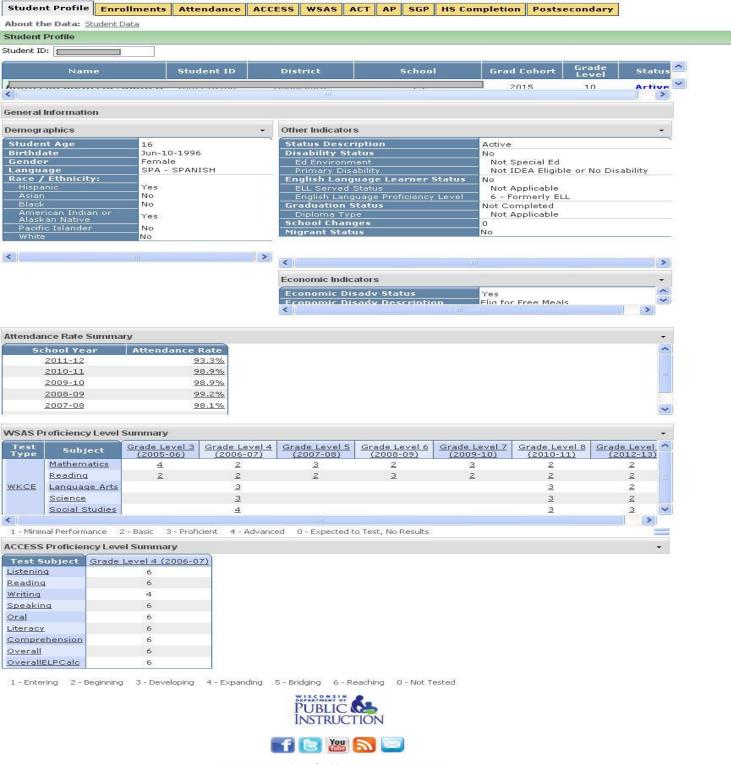








WSAS Performance Category by Grade Level (Selected Year) Details District School Type School Grade Level when Tested Race/Ethnicity [All Schools] [All Grades] 🔥 [All] [All Types] ^ Please Select a District Elementary School Amer Indian 21st Century Preparatory School High School Asian 5 Academy of Learning & Leadership Black Gender Disability Status ELL Status Econ Disady Status School Year WSAS Type WSAS Test Subject FAY District FAY School [All] [All] V [All] [All] 2012-13 [All WSAS] > Reading [All] [All] ✓ Proficiency Level Basic Grade Level 10 × Total of 27 row(s) with 10000 Row Limit Student ID Gender Race/Ethnicity School Name Grade Current Proficiency Level Level Indicator Female Hispanic Basic 92 10 Active Male White 90 10 Active Basic 92 Female White Basic 10 Active White 99 10 Female Active Basic 98 10 Male White Active Basic 99 10 Male White Active Basic 10 Female White Basic 98 Active Male White 92 10 Active Basic 92 Female White Basic 10 Active Male White 92 10 Basic Active Male White Basic 10 Active 92 99 White 10 Male Active Basic 10 Male White Active Basic 92 Male Hispanic 92 10 Active Basic White 92 10 Female Active Basic White 90 10 Female Active Basic White Basic 10 Female Active 90 10 Male White Basic 92 Active Basic 10 Female Hispanic Active 92 Female White Basic 92 10 Active White Basic 10 Female Active 92 Male White 92 10 Active Basic White Basic Female 92 10 Active Male White 10 Active Basic 92 10 Male White Active Basic 92 Male White 10 Active Basic 92 10 Female White Active Basic 92



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